

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of	Group Art Unit: 1642
Paul J. Carter	Examiner: Blanchard, David J.
Serial No.: 09/714,040	Confirmation No: 5212
Filed: November 15, 2000	Customer No: 09157
For: EXPRESSION OF FUNCTIONAL ANTIBODY FRAGMENTS	Electronically filed on September 1, 2007 <i>October</i>

**REVOCATION OF POWER OF ATTORNEY WITH NEW POWER OF ATTORNEY
AND CHANGE OF CORRESPONDENCE ADDRESS**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Genentech, Inc., assignee of the entire right, title and interest of the above-identified application, hereby revokes all previous Powers of Attorney and appoints all attorney(s) and/or agent(s) associated with the following Patent Office Issued Customer Number (namely 09157) as its principal attorney(s) or agent(s) with full power of substitution to prosecute this application and to transact all business in the Patent and Trademark Office in connection therewith.

The above-identified application is a Division of U.S. Patent Application No. 08/199,268 filed on February 28, 1994, now U.S. Patent No. 7,018,809 issued on March 28, 2006, which is a 371 of PCT/US92/07986 filed on September 18, 1992 which is a Continuation-in-Part of U.S. Patent Application No. 07/762,292, now abandoned. An assignment from the inventor for U.S. Patent Application Nos. 08/199,268 (PCT/US92/07986) and 07/762,292 were recorded in the United States Patent and Trademark Office on February 28, 1994 at Reel 7184 and Frame 0918 which was later corrected and recorded on February 29, 1996 at Reel 7831 and Frame 0807 and on September 19, 1991 at Reel 5848 and Frame 0699, respectively. Copies of the Notice of Recordation and Assignments are attached.

Correspondence should be directed to the appropriate attorney or agent at the address of record, namely Paul Naik, Ph.D., Genentech, Inc. 1 DNA Way, MS 49, South San Francisco, CA 94080.

This document also serves to ratify, with present and retroactive effect, all acts taken in the application by the above named attorneys or agents, who acted in accordance with 37 CFR § 1.34.

Respectfully submitted,
GENENTECH, INC.

Date: September 28, 2007

By:



Timothy R. Schwartz, Ph.D.
Reg. No. 32,171
Telephone No.: (650) 225-7467
Facsimile No.: (650) 952-9881



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

DATE: 11/30/94
TO:

N04C

RECEIVED

DEC 2 0 1994

WENDY M. LEE
MAIL STOP 49
GENENTECH, INC.
460 POINT SAN BRUNO BOULEVARD
S. SAN FRANCISCO, CALIFORNIA 94080-4990

GENENTECH, INC. LEGAL DEPT.

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT BRANCH OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE U.S. PATENT AND TRADEMARK OFFICE ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT ASSIGNMENT PROCESSING SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT BRANCH, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231

ASSIGNOR:
CARTER, PAUL J.

DOC DATE: 02/02/94

RECORDATION DATE: 02/28/94 NUMBER OF PAGES 002 REEL/FRAME 7184/0918

DIGEST : ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:

~~LEE, WENDY M.~~
~~MAIL STOP 49~~
GENENTECH, INC.
460 POINT SAN BRUNO BOULEVARD
SOUTH SAN FRANCISCO, CA 94080-4990

SERIAL NUMBER 8-199268 FILING DATE 02/28/94
PATENT NUMBER ISSUE DATE 00/00/00

[Signature]
EXAMINER/PARALEGAL
ASSIGNMENT BRANCH
ASSIGNMENT/CERTIFICATION SERVICES DIVISION

FORM PTO-1585
(Rev. 8-93)

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

QMB No. 0651-0011 (exp. 4/94)

PATENTS ONLY

Tab settings $\Rightarrow \square \square \nabla$

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Paul J. Carter

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherExecution Date: 2 February 1994

2. Name and address of receiving party(ies)

Name: Wendy M. LeeInternal Address: Mail Stop 49Street Address: Genentech, Inc.460 Point San Bruno Boulevard

South San Francisco, CA 94080-4990

City: _____ State: _____ ZIP: _____

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 2 February 1994

A. Patent Application No.(s)

Attorney Docket No. 710P1

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Wendy M. LeeInternal Address: Mail Stop 49Street Address: Genentech, Inc.460 Point San Bruno BoulevardSouth San Francisco, California 94080-4990

City: _____ State: _____ ZIP: _____

6. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

07-0630

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

HS19053 03/04/94 08199268

07-0630 190 581

40.00CH

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Wendy M. Lee

Name of Person Signing

Wendy M. Lee
SignatureTotal number of pages including cover sheet, attachments, and document: 228 February 1994

Date

A S S I G N M E N T

WHEREAS, Paul J. Carter, a citizen of USA, residing at 2074 18th Avenue, San Francisco, CA 94116 (hereinafter referred to as ASSIGNOR) has invented a new and useful invention in

**EXPRESSION OF E.COLI ANTIBODY FRAGMENTS HAVING AT LEAST A CYSTEINE PRESENT
AS A FREE THIOL. USE FOR THE PRODUCTION OF BIFUNCTIONAL F(ab')₂ ANTIBODIES**

for which an application Serial No. (Docket No. 710P1) for Letters Patent, corresponding to PCT/US92/07986 filed 18 September 1992, is being filed by him herewith; and

WHEREAS, GENENTECH, INC., a corporation organized and existing under and by virtue of the laws of the State of Delaware, having a place of business at 460 Point San Bruno Boulevard, South San Francisco, California 94080-4990, is desirous of acquiring an interest in and to said invention, and in and to the Letters Patents to be obtained therefor;

NOW, THEREFORE, be it known by all whom it may concern;

That for good and valuable consideration the receipt of which is hereby acknowledged, the said ASSIGNOR has and does hereby sell, assign, transfer and set over unto the said GENENTECH, INC., its successors and assigns, the full and exclusive right, title and interest including all rights under the Paris Convention for the Protection of Industrial Property, in and to said invention, and in and to any and all Letters Patents to be granted and issued therefor, not only for, to, and in the United States of America, its territories and possessions, but for, to and in all other countries; and it has been and is hereby authorized and requested that the appropriate government agencies issue said Letters Patents to said GENENTECH, INC., in accordance with this Assignment.

Said ASSIGNOR covenants and agrees to cooperate with GENENTECH, INC., to enable said GENENTECH, INC. to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said ASSIGNOR includes prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said GENENTECH, INC., (a) for perfecting the right, title and interest herein conveyed (b) for prosecuting any of said applications; (c) for filing and prosecuting applications for reissuance of any of said patents; (d) for interference or other priority proceedings involving said invention; and (e) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said ASSIGNOR providing such cooperation shall be paid for by said GENENTECH, INC.

The terms and covenants of this assignment shall inure to the benefit of said GENENTECH, INC., its successors, assigns and other legal representatives, and shall be binding upon said ASSIGNOR, his respective heirs, legal representatives and assigns.

Said ASSIGNOR hereby warrants and represents that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF I undersign as follows;

South San Francisco

RECORDED
PATENT & TRADEMARK OFFICE

FEB 28 94

Paul J. Carter

Dated:

2/2/94

FILED 7184, FRANK 919



WYCK F V
UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
71091

MAY 29, 1996

PTAS

GENENTECH, INC.
WENDY M. LEE
460 POINT SAN BRUNO BOULEVARD
SOUTH SAN FRANCISCO, CA 94080



100151994A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/29/1996

REEL/FRAME: 7831/0807
NUMBER OF PAGES: 3

BRIEF: CORRECTED RECORDATION COVER SHEET

ASSIGNOR:

CARTER, PAUL J.

DOC DATE: 02/02/1994

ASSIGNEE:

GENENTECH, INC.
460 POINT SAN BRUNO BOULEVARD
SOUTH SAN FRANCISCO, CALIFORNIA
94080-4990

SERIAL NUMBER: 08199268

PATENT NUMBER:

FILING DATE: 02/28/1994

ISSUE DATE:

RECEIVED

JUN - 6 1996

JOANN STEWART, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

GENENTECH, INC. LEGAL DEPT.

RECEIPT ACCT'G. DIV.

03-19-1996



ET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

Atty Dkt No: P0710P1

Assistant Commissioner

100151994

uments or copy thereof.

1. Name of conveying party(ies):

Paul J. Carter

Additional name(s) of conveying party(ies) attached? Yes ☒ No

2. Name and address of receiving party(ies):

Name: GENENTECH, INC.

Internal Address:

Street Address: 460 Point San Bruno Boulevard

City: South San Francisco State: California

ZIP: 94080-4990

Additional name(s) & address(es) attached? Yes ☒ No

3. Nature of conveyance:

Assignment

Merger

Security Agreement

Change of Name

☒ Other: Corrected Recordation Cover Sheet

Execution Date: February 2, 1994

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

08/199,268

Additional numbers attached? Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Wendy M. Lee
GENENTECH, INC.
460 Point San Bruno Boulevard
South San Francisco, CA 94080

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

- Enclosed

☒ Authorized to be charged to deposit account

8. Deposit account number:

07-0630

DO NOT USE THIS SPACE

WT04037 03/14/96 08199268

07-0630 040 581

40.00CH

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Wendy M. Lee

Name of Person Signing

[Signature]
Signature

February 26, 1996

Date

A copy of a document pursuant to 37 C.F.R. § 10.9(b) is attached as proof of the authorization of the undersigned to prosecute the above-mentioned application. The original of this document is on file in the Office of Enrollment and Discipline.

Total number of pages comprising cover sheet, attachments and document: 4

Mail documents to be recorded with required cover sheet information to:

Assistant Commissioner of Patents

Box Assignments

Washington, D.C. 20231

Revised (10/1/95)

MRP 2-27-96

ASSIGNMENT

Docket No. 710P1

WHEREAS, Paul J. Carter, a citizen of USA, residing at 2074 18th Avenue, San Francisco, CA 94116 (hereinafter referred to as ASSIGNOR) has invented a new and useful invention in

EXPRESSION OF E.COLI ANTIBODY FRAGMENTS HAVING AT LEAST A CYSTEINE PRESENT AS A FREE THIOL. USE FOR THE PRODUCTION OF BIFUNCTIONAL Flab') 2 ANTIBODIES

for which an application Serial No. (Docket No. 710P1) for Letters Patent, corresponding to PCT/US92/07986 filed 18 September 1992, is being filed by him herewith; and

WHEREAS, GENENTECH, INC., a corporation organized and existing under and by virtue of the laws of the State of Delaware, having a place of business at 460 Point San Bruno Boulevard, South San Francisco, California 94080-4990, is desirous of acquiring an interest in and to said invention, and in and to the Letters Patents to be obtained therefor;

NOW, THEREFORE, be it known by all whom it may concern;

That for good and valuable consideration the receipt of which is hereby acknowledged, the said ASSIGNOR has and does hereby sell, assign, transfer and set over unto the said GENENTECH, INC., its successors and assigns, the full and exclusive right, title and interest including all rights under the Paris Convention for the Protection of Industrial Property, in and to said invention, and in and to any and all Letters Patents to be granted and issued therefor, not only for, to, and in the United States of America, its territories and possessions, but for, to and in all other countries; and it has been and is hereby authorized and requested that the appropriate government agencies issue said Letters Patents to said GENENTECH, INC., in accordance with this Assignment.

Said ASSIGNOR covenants and agrees to cooperate with GENENTECH, INC., to enable said GENENTECH, INC. to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said ASSIGNOR includes prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said GENENTECH, INC., (a) for perfecting the right, title and interest herein conveyed (b) for prosecuting any of said applications; (c) for filing and prosecuting applications for reissuance of any of said patents; (d) for interference or other priority proceedings involving said invention; and (e) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said ASSIGNOR providing such cooperation shall be paid for by said GENENTECH, INC.

The terms and covenants of this assignment shall inure to the benefit of said GENENTECH, INC., its successors, assigns and other legal representatives, and shall be binding upon said ASSIGNOR, his respective heirs, legal representatives and assigns.

Said ASSIGNOR hereby warrants and represents that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF I undersign as follows;

South San Francisco

RECORDED
PATENT & TRADEMARK OFFICE

Paul J. Carter

Dated:

2/2/94

FEB 28 94

REL 7184 FRANE 919



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

LIMITED RECOGNITION UNDER 37 CFR § 10.9(b)

Wendy M. Lee is hereby given limited recognition under 37 CFR § 10.9(b) as an employee of Genentech, Inc., to prepare and prosecute patent applications and to represent patent applicants wherein Genentech, Inc., is the assignee of record of the entire interest. This limited recognition shall expire on the date appearing below, or when whichever of the following events first occurs prior to July 15, 1996: (i) Wendy M. Lee ceases to lawfully reside in the United States, (ii) Wendy M. Lee's employment with Genentech, Inc., ceases or is terminated, or (iii) Wendy M. Lee ceases to remain or reside in the United States on a H-1B visa.

This document constitutes proof of such recognition. The original of this document is on file in the Office of Enrollment and Discipline of the U.S. Patent and Trademark Office.

Expires: July 15, 1996

Karen L. Bovard, Director
Office of Enrollment and Discipline



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

DATE: 11/12/91
TO:
M. HENSLEY
GENENTECH, INC.
460 POINT SAN BRUNO BLVD.
SOUTH SAN FRANCISCO, CA 94080

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE U.S. PATENT AND TRADEMARK OFFICE ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT ASSIGNMENT PROCESSING SYSTEM. IF YOU SHOULD FIND ANY ERRORS, ON THIS NOTICE, PLEASE SEND A REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT BRANCH, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231

ASSIGNOR:
CARTER, PAUL J.

DOC DATE: 09/19/91

RECORDATION DATE: 09/19/91 NUMBER OF PAGES 002 REEL/FRAME 5848/0699

DIGEST :ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:
GENENTECH, INC.,
A CORP. OF DE
460 POINT SAN BRUNO BLVD.,
SOUTH SAN FRANCISCO, CALIFORNIA 94080

SERIAL NUMBER	7-762292	FILING DATE	09/19/91
PATENT PATENT		ISSUE DATE	00/00/00



07 762292 448
EXPRESS MAIL LABEL NO. FB536610459US
Date Mailed: September 19, 1991

GENENTECH, INC.

460 Point San Bruno Boulevard, South San Francisco, CA 94080
(415) 266-2614

Docket No. 710

Honorable Commissioner of Patents
and Trademarks
Washington, D.C. 20231

NEW APPLICATION TRANSMITTAL

SIR:

Transmitted herewith for filing is the patent application of Inventor(s): Paul J. Carter

Title: EXPRESSION OF FUNCTIONAL ANTIBODY FRAGMENTS

CERTIFICATION UNDER 37 CFR §1.10

I hereby certify that this New Application and the documents referred to as enclosed herein are being deposited with the United States Postal Service on this date September 19, 1991, in an envelope bearing "Express Mail Post Office To Addressee" Mailing Label Number FB536610459US addressed to: Patent Application, Honorable Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Louise Strasbaugh

(Name of person mailing paper)

Louise Strasbaugh
Signature

Enclosed are:

1. The papers required for filing date under CFR §1.53(b):
45 Pages of specification (including claims); 2 Sheets of drawings (formal - x informal)
2. x Declaration/Oath/Power of Attorney
3. x Assignment of the invention to GENENTECH, INC.
4. Fee Calculation

93224575

CLAIMS AS FILED

	Number Filed	Number Extra	Rate	Basic Fee \$630
Total Claims	22 - 20 =	* 2	x \$20.00	\$ 40
Indep. Claims	5 - 3 =	* 2	x \$60.00	\$120
Multiple dependent claim(s), if any			\$200.00	\$

*If less than zero, enter "0".

7. x Recording Assignment [\$8.00] \$ 8.00
Total Fees Enclosed \$798
8. Payment of Fees
x Charge Account No. 07-0630 in the amount of \$798. A duplicate of this transmittal is attached.
9. x Authorization to Charge Additional Fees
The Commissioner is hereby authorized to charge any additional fees (or credit any overpayment) associated with this communication and which may be required under 37 CFR §1.16 or §1.17 to Account No. 07-0630.
A duplicate sheet is attached.
10. Information Disclosure Statement
11. x Return Receipt Postcard

DF11057 09/25/91 07762292

07-0630 110 518

8.00CH

By:

Max Hensley
Name: Max Hensley
Registration No. 27,043

RECEIVED
19 SEP 20 AM 8:23
ASSIGNMENT TO GENENTECH

A S S I G N M E N T

WHEREAS, Paul J. Carter, a citizen of United Kingdom, residing at 2074 18th Avenue San Francisco California 94116 has invented a new and useful invention in

EXPRESSION OF FUNCTIONAL ANTIBODY FRAGMENTS

for which an application Serial No. (Docket No. 710) for Letters Patent has been filed by him on September 19, 1991; and

WHEREAS, GENENTECH, INC., a corporation organized and existing under and by virtue of the laws of the State of Delaware, having a place of business at 460 Point San Bruno Boulevard, South San Francisco, California 94080, is desirous of acquiring an interest in and to said invention, and in and to the Letters Patents to be obtained therefor;

NOW, THEREFORE, be it known by all whom it may concern;

That for good and valuable consideration the receipt of which is hereby acknowledged, the said Paul J. Carter has and does hereby sell, assign, transfer and set over unto the said GENENTECH, INC., its successors and assigns, the full and exclusive right, title and interest including all rights under the Paris Convention for the Protection of Industrial Property, in and to said invention, and in and to any and all Letters Patents to be granted and issued therefor, not only for, to, and in the United States of America, its territories and possessions, but for, to and in all other countries; and it has been and is hereby authorized and requested that the appropriate government agencies issue said Letters Patents to said GENENTECH, INC., in accordance with this Assignment.

Said Paul J. Carter covenants and agrees to cooperate with GENENTECH, INC., to enable said GENENTECH, INC. to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Paul J. Carter includes prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said GENENTECH, INC., (a) for perfecting the right, title and interest herein conveyed (b) for prosecuting any of said applications; (c) for filing and prosecuting applications for reissuance of any of said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Paul J. Carter in providing such cooperation shall be paid for by said GENENTECH, INC.

The terms and covenants of this assignment shall inure to the benefit of said GENENTECH, INC., its successors, assigns and other legal representatives, and shall be binding upon said Paul J. Carter, his respective heirs, legal representatives and assigns.

Said Paul J. Carter hereby warrants and represents that he have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF I undersign as follows;

Date:

9/19/91
South San Francisco

Paul J. Carter

Paul J. Carter

RECORDED
PATENT & TRADE MARK OFFICE

SEP 19 91

REF 5848 FRAME 700